



# Light Rail Transit (LRT)

## Characteristics

- ▼ **Capacity: 150 per car (65 seated, 85 standees)**
- ▼ **Speed: 65 MPH maximum, 35 MPH average**
- ▼ **Propulsion: overhead electric wire or diesel**
- ▼ **Operating Environment: mixed traffic/ street running or dedicated ROW**

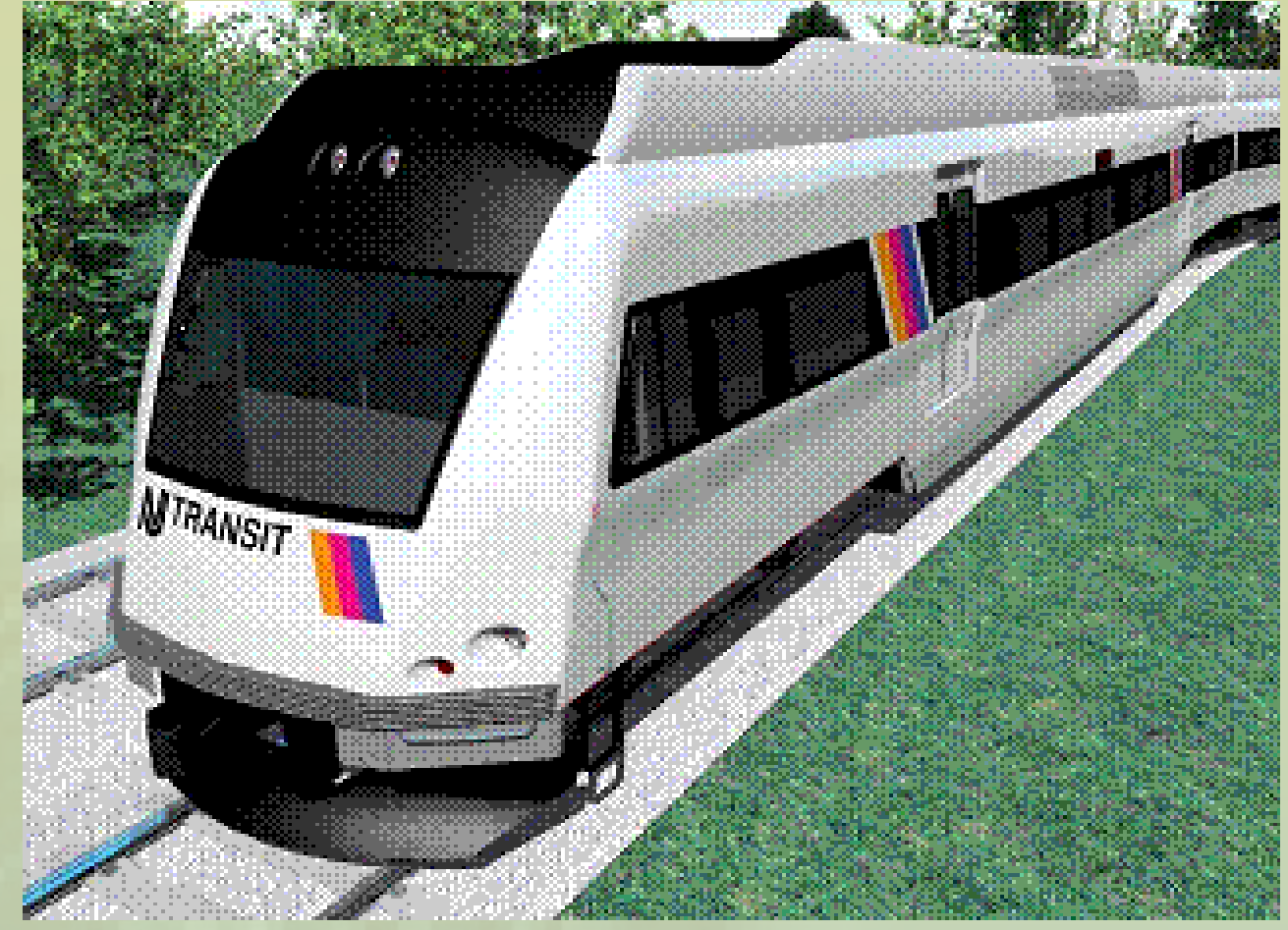


## Examples

- ▼ **Portland**
- ▼ **Houston**
- ▼ **Minneapolis**
- ▼ **St. Louis**







# Diesel Multiple Unit (DMU)

## Characteristics

- ▼ **Capacity: 165 per car (80 seated, 85 standees)**
- ▼ **Speed: 65 MPH maximum, 35 MPH average**
- ▼ **Propulsion: diesel**
- ▼ **Operating Environment: shared railroad or dedicated ROW**



## Examples

- ▼ **Raleigh, NC (under construction)**
- ▼ **New Jersey (planned)**
- ▼ **Houston (evaluating)**







# Commuter Rail

## Characteristics



- ▼ **Capacity:** 200 per car (100 seated, 100 standees)
- ▼ **Speed:** 79 MPH maximum, 50 MPH average
- ▼ **Propulsion:** overhead electric wire or diesel
- ▼ **Operating Environment:** shared railroad or dedicated ROW



## Examples

- ▼ **South Florida (Tri-Rail)**
- ▼ **New Jersey**
- ▼ **Chicago**
- ▼ **New York**
- ▼ **Seattle**







# Heavy Rail

## Characteristics

- ▼ **Capacity:** 170 per car (75 seated, 95 standees)
- ▼ **Speed:** 80 MPH maximum, 70 MPH average
- ▼ **Propulsion:** third rail electric
- ▼ **Operating Environment:** separate guideway



## Examples

- ▼ **Miami**
- ▼ **Chicago**
- ▼ **New York**
- ▼ **Los Angeles**







# Conventional Bus

## Characteristics

- ▼ **Capacity:** 85 per bus (65 seated, 20 standees)
- ▼ **Speed:** 50 MPH maximum, 15-20 MPH average
- ▼ **Propulsion:** diesel or clean fuels
- ▼ **Operating Environment:** mixed traffic



## Examples

- ▼ **Miami**
- ▼ **Ft. Lauderdale**
- ▼ **Orlando**
- ▼ **Jacksonville**





# Rapid Bus Transit (BRT)

## Characteristics

- ▼ **Capacity:** 85 per bus (65 seated, 20 standees)
- ▼ **Speed:** 55 MPH maximum, 35-40 MPH average
- ▼ **Propulsion:** diesel or clean fuels
- ▼ **Operating Environment:** mixed traffic or exclusive ROW



## Examples

- ▼ **Miami**
- ▼ **Pittsburgh**
- ▼ **Boston**







# Managed Lanes

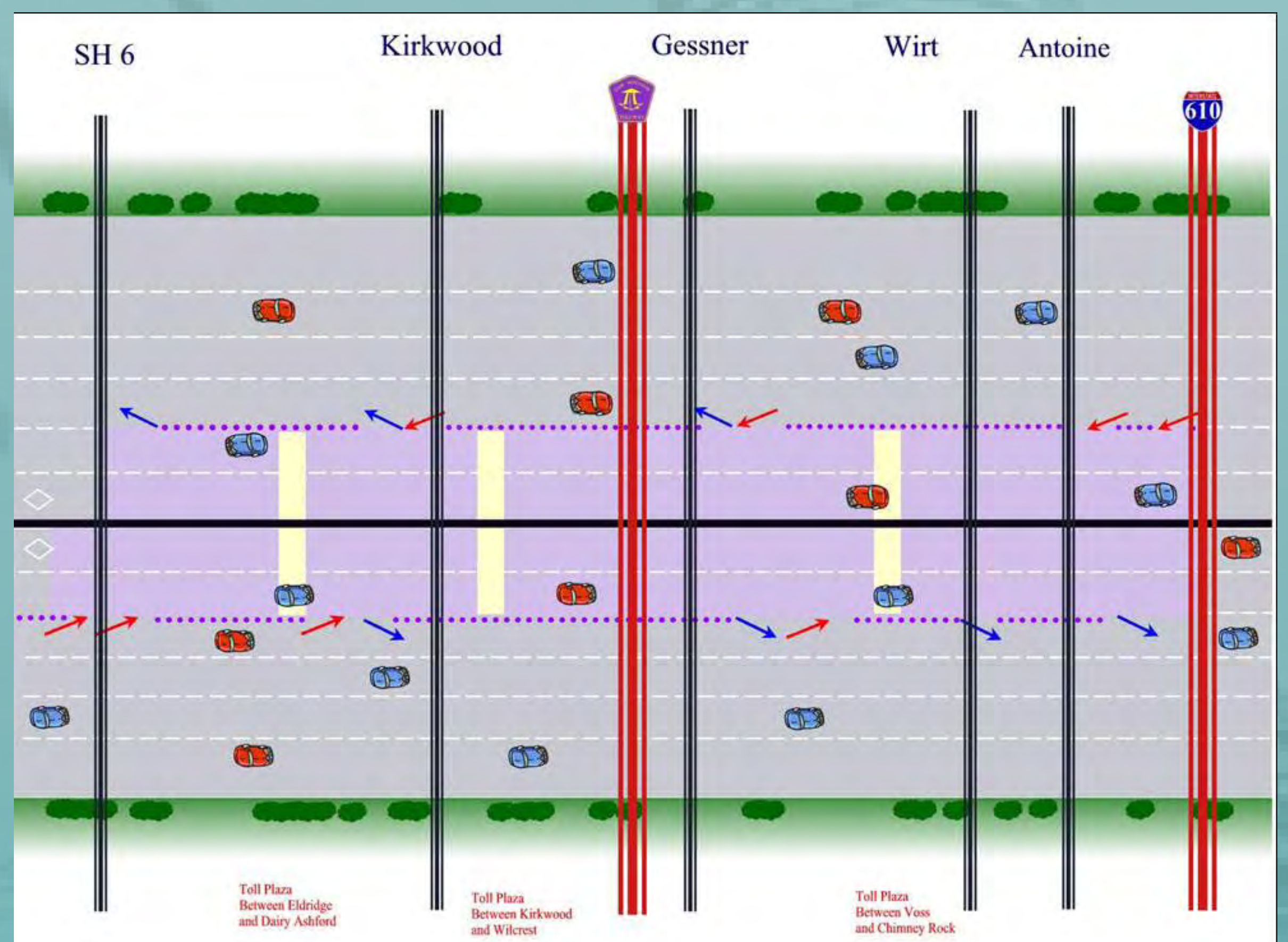
## Characteristics

- ▼ Limited access travel lanes
- ▼ Access provided for high occupancy vehicles (autos and transit) and persons that pay a toll
- ▼ Tolls vary by time of day and level of congestion
- ▼ Used to connect major activity centers



## Examples

- ▼ Houston
- ▼ Virginia
- ▼ Los Angeles







# Study Team Contacts

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